# Schematic:

**A close-up of a circuit board

Description automatically generated**

Zoom in the picture to see the colors more clearly and to see in detail exactly the pins. The colors correspond to the hardware elements in the corresponding colors below:

|  |  |
| --- | --- |
| Component | Wires and pins |
| **LCD screen** | **GND** |
| **I2C Backpack** | **Digital signal (D)** |
| **Logic level converter** | **5V/3V3** |
| **Buzzer** | **SDA** |
| **Red LED** | **SCL** |
| **Yellow LED** | **A0** |
| **Green LED** |  |
| **Resistor** |  |

# Class diagram:

A screenshot of a computer screen

Description automatically generated

# Challenge 1 activity diagram:

A diagram of a computer program

Description automatically generated with medium confidence

# Challenge 2 activity diagram:

A diagram of a process

Description automatically generated

# Challenge 3 activity diagram:

A diagram of a computer

Description automatically generated

A diagram of a computer

Description automatically generated

# Challenge 4 activity diagram:

A diagram of a process

Description automatically generated